
ANNUAL REPORTS

Town Officers

OF THE

Town of Millbury,

YEAR ENDING MARCH 1, 1889.

ANNUAL REPORTS

OF THE

TOWN OFFICERS

OF THE

TOWN OF MILLBURY.

FOR THE

YEAR ENDING MARCH 1, 1889.

Worcester, Mass.

PRESS OF SANFORD & DAVIS.

1889.

TOWN OFFICERS FOR 1889.

SELECTMEN.

GEO. F. CHASE,

JAMES H. FERGUSON.

IRVING B. SAYLES.

TOWN CLERK.

IRA N. GODDARD.

TREASURER.

DAVID ATWOOD.

COLLECTOR.

H. W. AIKEN.

OVERSEERS OF THE POOR.

JOHN BROADBENT,

JOHN SALISBURY,

FREEMAN VAN ORNUM.

ASSESSORS.

HERVEY PARK,

D. T. MARCH,

L. F. HERRICK.

SCHOOL COMMITTEE.

GEORGE A. SLOCOMB,

Term expires 1889

IRVING B. SAYLES,

" " 1890

DAVID T. MARCH.

" " 1891

TRUSTEES OF TOWN LIBRARY.

D. EDMUND MARCH,

Term expires 1889

JOHN HOPKINS,

" " 1890

IRVING B. SAYLES.

" " 1891

TRUSTEES OF CEMETERIES.

JOHN BROADBENT,

Term expires 1889

DAVID ATWOOD,

" " 1890

NATHAN H. SEARS.

" " 1891

CONSTABLES.

HERBERT A. RYAN,

JOHN S. RICH,

JAMES CLARK,

A. B. SLOCOMB,

THOMAS BROWN,

J. BYRON STEWART.

SELECTMEN'S REPORT.

MISCELLANEOUS.

Orders to

The Spy Publishing Co., printing Water Petitions,	\$ 7 50
Sanford & Davis, printing Town Report, School Report and Ballots,	93 08
Putnam, Davis & Co., printing Highway Notices,	14 00
Sanford & Co., Collector's book and Assessor's book,	8 75
Sanford & Davis, printing Liquor Notices,	1 50
H. N. Simmons, enumerating school children,	35 00
D. J. Bolster, Printing,	2 75
H. N. Simmons, Visiting mills,	4 00
Putnam & Davis, Printing,	1 50
Chas. H. Doe & Co.,	1 50
H. Gover, rent of land for Lockup,	12 00
Sanford & Davis, printing Valuation List and Poll List,	104 24
H. W. Park, copying Valuation List,	10 00
F. E. Powers, coal for Lockup,	16 00
M. H. Murphy, teams to Town Farm,	2 00
H. Gover, repairs on Lockup,	5 00
Ira N Goddard, insurance on Town Hall,	180 00

Orders to

W. A. Harris. repairs on Road	
Scraper,	2 50
J. S. Rich, care of Lockup,	50 00
H. N, Simmons, visiting mills,	4 00
I. N. Goddard, printing,	4 25
H. A. Ryan, posting Town Warrants,	7 00
I. N. Goddard, insurance,	4 40
D. Atwood, Check book,	6 50
“ Postage,	96
H. E. Newell, storing Town Seals,	2 00
I. N. Goddard, recording deaths,	4 50
“ “ “ births,	23 50
“ “ “ returns,	118 20
“ “ Insurance on School	
House,	17 50
C. H. Doe & Coe, printing,	8 00
G. A. Slocomb, Counsel in small pox	
case,	4 00
G. A. Slocomb, examination of Mal-	
hoit case,	2 00
H. A. Ryan, returning deaths,	12 75
Spy Publishing Co., printing Rewards,	8 50
F. E. Powers, coal for Lockup,	15 00
	<hr/>
	\$794 38

POLICE DUTY.

Orders to

H. A. Ryan,	\$ 7 00
J. B. Stewart,	2 50
Thos. Brown,	4 00
Jas. Clark,	3 00
C. H. Smith,	31 85
	<hr/>
	\$ 48 35

PROSECUTING LIQUOR DEALERS.

Money used by Selectmen, \$ 200 00

SALARIES.

Orders to

Hervey Park, services as Assessor,	\$125 00
D. T. March " "	85 00
L. F. Herrick, " "	100 00
D. E. March, Clerk for "	11 00
E. H. Park, " "	25 20
I. N. Goddard, " Register,	17 00
Royal Thayer, services as "	12 00
T. A. M. Bennett, " "	12 00
Geo. J. Neff, " "	12 00
H. W. Aiken, " as Tax Col.,	250 00
David Atwood, " Treasurer,	100 00
David Atwood, paying State Aid.	25 00
Geo. F. Chase, services as Selectman,	100 00
Jas. H. Ferguson, services Selectman,	100 00
I. B. Sayles, services as Selectman,	75 00
I. B. Sayles, as School Committee,	125 00
G. A. Slocomb, as School Committee,	150 00
D. T. March, as School Committee,	100 00
	<hr/>
	\$2,466 93
Appropriation, \$2000 00	

OLD BILLS.

Orders to

Chas. H. Smith, police duty,	\$ 8 75
H. S. Merriam, repairs on water trough,	23 88

Orders to

C. R. Brackett, gravel,	14 48	
F. R. Bartlett, horses,	4 60	
Silas Dunton, $\frac{1}{2}$ of sidewalk,	22 00	
H. W. Aiken,	2 50	
M. H. Murphy, Sewer Committee Bill,	3 00	
	<hr/>	\$79 21

SCHOOLS.

Orders to

G. A. Slocomb,	\$10,000 00	
“ “ Reserve fund,	496 06	
“ “ School “	179 71	
	<hr/>	\$10,675 77
Appropriation	\$9000 00	
Books,	500 00	
Repairs,	500 00	
	<hr/>	\$10,000 00

TOWN LIBRARY.

Orders to

Mrs. A. B. Freeman, Librarian,	\$175 00	
D. E. March, Trustee,	23 50	
Estes & Lauriat, books,	400 00	
A. Mudge & Co., catalogues,	79 55	
	<hr/>	\$678 05
Appropriation,	\$200 00	
Dog Tax,	440 98	
	<hr/>	640 98

POOR.

Orders to

John Broadbent, Overseer,		\$3,340 51
Appropriation,	\$3200 00	
Repairs,	200 00	
	<hr/>	\$3400 00

BRIDGES.

Orders to

H. M. Goddard, Lumber,	\$ 36 46	
G. F. Chase, Labor and Hardware,	102 50	
A. W. Rice, Bridge Plank,	148 07	
G. W. & A. J. Rice, Bridge Plank,	6 05	
J. A. Potter & Co., Hard Pine		
Timbers,	20 10	
A. H. Batcheller,	55 26	
Crane & Ferguson,	4 45	
II. M. Goddard, Graveling and Lum-		
ber,	208 63	
S. R. Parker & Son,	1 15	
	<hr/>	\$582 73

IRON BRIDGES.

Orders to

H. T. Merriam,	2403 50	
	<hr/>	\$2,986 23
Appropriation, \$2400 00		

MEMORIAL DAY.

Order to		
S. D. Waters,		\$100 00
Appropriation,	\$100 00	

CEMETERIES.

Orders to		
N. H. Sears, Trustee,	\$376 85	
J. T. Sullivan,	6 13	
Crane & Ferguson,	16 09	
		<hr/>
		\$399 07
Appropriation,	\$400 00	

HEAD STONES.

Order to		
N. H. Sears, for Head Stones,		\$96 00
Appropriation,	\$100 00	

WATER COMMITTEE.

Orders to		
J. Gegenheimer,	\$142 01	
Braman, Dow & Co.,	42 34	
D. Russell, boring wells,	122 88	
Dr. G. C. Webber,	9 75	
G. F. Chase,	46 68	
H. M. Goddard,	69 75	
Percy M. Blake,	66 15	
J. M. White,	34 00	

Orders to

Knowles Steam Pump Works,	6 50
Millbury Machine Co.,	28 62
William Connor,	25 00

\$598 69

HIGHWAYS.

Orders to

W. H. Stockwell, District No. 1,	\$124 52
C. A. Whitney, " " 2,	115 31
Freeman Van Ornum, District No. 3,	69 15
Geo. I. Stowe, District No. 4,	76 50
H. W. Carter, " " 5,	59 00
Warren A. Harris, " " 6,	112 25
C. R. Brackett, " " 7,	94 59
S. E. Hull, " " 8,	276 70
H. M. Goddard, " " 8,	509 55
Chas. P. Streeter, " " 9,	469 02
H. M. Goddard, " " 10,	502 55
J. M. White, " " 11,	137 64
Peter Simpson, " " 12,	90 75
Chas. P. Streeter, " " 12,	38 13
H. M. Goddard, " " 12,	41 25
Chas. H. Smith, " " 13,	75 61
Geo. W. Hastings, " " 14,	60 70
Samuel Rice, " " 15,	56 00
H. W. Carter, " " 15,	29 45
H. W. Carter, " " 16,	52 75
Gravel,	273 10
H. M. Goddard, changing grade on Cherry Street,	164 45
W. R. Cunningham, supplies,	4 20

\$3,433 17

Appropriation, \$2,250 00.

FIRE DEPARTMENT.

Orders to—

H. M. Goddard, Coal, and Drawing	
Steamer,	\$ 17 00
N. H. Sears, pay-roll,	1,104 65
Sweetser & Co., supplies,	50 06
Crane & Ferguson, supplies,	20 32
D. J. Bolster, printing,	13 90
N. H. Sears, supplies,	70 34
W. H. Fairbanks, repairs on Engine	
House, No. 5,	14 20
G. F. Chase, repairs,	10 80
Fred Ogden, " No. 1,	8 78
F. R. Bartlett,	17 00
Ladder Truck, (Boston Woven Hose	
Co.),	125 00
Boston Woven Hose Co., supplies,	10 00
John Gegenheimer, repairs,	8 57
Hosea L. Woodward, painting ladder	
truck,	72 50
S. R. Parker & Son, repairs,	8 50
John Odium, supplies,	9 50
M. H. Murphy, teams,	15 00
H. M. Goddard, coal, and drawing	
Steamer,	42 50
C. D. Morse & Co., repairs,	1 50
C. H. Page, supplies,	13 60
H. T. Merriam, repairs,	7 35
Boston Woven Hose Co., hose,	250 00
H. M. Goddard, drawing Steamer,	15 00
Geo. M. Stevens, supplies,	26 00
C. P. Streeter, drawing Steamer,	7 00
C. C. Longley, repairs,	13 50
B. O. Paine, "	27 50
Mrs. S. A. Walling, fire alarm poles,	4 00

Orders to

F. K. Hodgman, repairing,	1 75	
Blodgett Bros., supplies,	3 11	
	<hr/>	\$1,988 93
Appropriation, \$1,400 00.		

EXPENSE RUNNING TOWN HOUSE.

Orders to

Millbury Electric Co,	\$241 59	
R. B. Lovell, Janitor,	350 00	
“ “ supplies,	11 91	
H. W. Carter, wood,	17 50	
H. M. Goddard, coal,	208 64	
F. E. Powers, “	204 30	
Crane & Ferguson, gasoline and re-		
pairs,	107 60	
Crane & Ferguson, supplies,	34 86	
	<hr/>	\$1,176 40

IMPROVEMENTS IN TOWN HOUSE.

Orders to

Crane & Ferguson,	\$ 7 54	
W. R. Cunningham & Son,	1 74	
Geo. F. Chase,	65 09	
	<hr/>	\$74 37
Appropriation, \$500 00		

REPAIRS IN TOWN HOUSE.

Orders to

P. Powers, repairs on roof,	\$99 44
Crane & Ferguson, repairs,	23 98

Orders to

Geo. F. Chase,	1 13	
H. E. Newell,	90	
C. D. Morse & Co.,	1 25	
W, R. Cunningham,	60	
D. A. Powers,	1 00	
	<hr/>	\$128 30

CULVERT NEAR A. J. HARRIS.

Order to

C, A. Whitney,	\$91 90
Appropriation, \$50.00,	

SIDEWALK ON MAIN STREET.

Orders to

L. H. Brackett,	\$209 19
Appropriation, \$200 00.	

SIDEWALKS.

Order to

H. M. Goddard,	\$301 80	
C. P. Streeter,	198 50	
Maurice Shahan,	5 00	
Crane & Ferguson.	2 01	
Gravel for Sidewalk,	22 30	
	<hr/>	\$529 61

Appropriation, \$400 00.

PARK COMMITTEE.

Orders to

I. N. Goddard,	\$45 00	
Crane & Ferguson,	9 24	
R. B. Lovell,	12 10	
I. N. Goddard,	1 35	
	<hr/>	\$67 69

GUTTERS & RAILINGS.

Orders to

H. M. Goddard,	\$153 15	
Crane & Ferguson, Drain Tile,	55 78	
A. H. Batcheller,	46 22	
G. F. Chase,	12 75	
“ E. M. Power, bill for Sewer		
Grates,	19 68	
“ Paid L. Boucher, bill for		
labor on Culverts,	43 80	
C. P. Streeter,	23 88	
“ Railings,	34 25	
Samuel Rice, Railings,	15 00	
Geo. F. Chase, Culvert and Well Holes,	16 73	
	<hr/>	\$421 24

STREET LIGHTING.

Orders to

Millbury Electric Co.,	\$1,366 31
Appropriation, \$1,600 00.	

MILLBURY CADET BAND.

Order to

Thomas Bottomly,

\$50 00

Appropriation, \$50 00.

HIGH SCHOOL REPAIRS.

Orders to

School Committee,

\$4,061 26

" " " "

Heating Ap-

paratus,

500 00

\$4561 26

Appropriation, \$3,500 00.

BREAKING ROADS.

Orders to

W. H. Stockwell, district No.	1	\$58 96
C. A. Whitney,	" 2	52 40
H. Van Ornum	" 3	28 75
Geo. I. Stowe,	" 4	24 90
H. W. Carter,	" 6	87 01
C. R. Brackett,	" 7	28 70
S. E. Hull,	" 8	5 00
H. M. Goddard,	" 8	25 00
C. P. Streeter,	" 9	34 10
H. M. Goddard,	" 10	17 50
John Odlum,	" 10	6 50
William Howe,	" 11	3 50
John Gegenheimer,	" 11	22 50
Chas. T. Newton,	" 13	33 60
H. M. Goddard,	" 13	4 00

Orders to

Hervey Park,	"	13	5 50	
H. M. Goddard,	"	14	5 50	
G. W. Hastings,	"	14	24 96	
Samuel Rice,	"	15	10 00	
H. W. Carter.	"	16	6 20	
			-----	\$484 58

CARE TOWN CLOCK.

Order to

J. Harrington, \$60 00

Appropriation, \$60 00.

FLAG.

Order to

R. D. Loomis, \$25 00

Appropriation, \$25 00.

TAXES PAID.

Orders to

David Atwood, County Tax,	\$1,604 00	
" State Tax,	2,700 00	
" National Bank Tax,	2,973 21	
" Support State Paupers,	33 89	
	-----	\$7,311 10

STATE AID.

Order to

David Atwood,

\$497 75

INTEREST PAID.

Order to

David Atwood,

\$1,503 35

Appropriation, \$1,600 00.

NOTES PAID.

Orders to

David Atwood,

\$21,100 00

SCHOOL REPAIRS.

Orders to

School Committee,

\$95 34

RECAPITULATION.

Miscellaneous,	\$2,466 93
Old Bills,	79 21
Schools,	10,675 77
Town Library,	678 05
Poor,	3,340 51
Bridges,	2,986 23
Memorial Day,	100 00
Cemetery,	399 07

Head Stones,	96 00
Water Committee,	593 69
Highways,	3,433 17
Fire Department,	1,988 93
Expense running Town House,	1,176 40
Improvements in Town House,	74 37
Repairs on Town House,	128 30
Repairs on School House,	95 31
Culvert at A. J. Harris's,	91 90
Sidewalk on Main Street,	209 19
Sidewalks,	529 61
Park Committee,	67 69
Gutters and Railings,	421 24
Street Lighting,	1,366 31
Millbury Cadet Band,	50 00
High School Repairs,	4,561 26
Breaking out Roads,	484 58
Care of Town Clock,	60 00
Flag,	25 00
Taxes paid,	7,311 10
State Aid,	497 75
Interest paid,	1,503 35
Notes paid,	21,100 00
	<hr/> \$66,590 95

LIABILITIES OF THE TOWN.

Notes Outstanding, as per Town Report,	\$32,500 00
Outstanding Orders,	679 30
	<hr/> \$33,179 30

AVAILABLE RESOURCES.

Due from State for State Aid March	
1,1889,	\$458 75

Due for Taxes, 1885,	10 85	
“ “ “ 1886,	20 41	
“ “ “ 1887,	299 98	
“ “ “ 1888,	2,425 63	
Due Town, for Rents in Town House,	279 00	
Cash in Treasury,	562 02	
	<hr/>	\$4,056 64

UNAVAILABLE RESOURCES.

Town House and Lot,	\$40,000 00	
Seven School Houses and Land,	20,000 00	
High School House and Land,	8,000 00	
Cemetery and Land,	3,000 00	
Town Farm,	5,000 00	
Personal Property at Town Farm,	1903 25	
Lothor Lot,	900 00	
Gravel Pits,	500 00	
Engine House No. 5.	200 00	
New Engine House,	2,000 00	
Two Steam Fire Engines, Hose Carts and Hose,	7,500 00	
One Hand Engine,	100 00	
One Ladder Truck,	400 00	
Hearse House,	200 00	
Lockup,	250 00	
Champion Road Machine,	200 00	
	<hr/>	\$90,153 25

FINANCIAL CONDITION.

Liabilities,	\$33,179 30	
Available Resources,	4,054 66	
	<hr/>	\$29,122 66

Town Debt March 1, 1889,	\$29,122 66	
“ “ “ 1888,	27,350 28	
Increase,	<u> </u>	\$1,772 38

APPROPRIATIONS.

The Selectmen recommend the following appropriations for the year ensuing :

For Highways,	\$2,500 00
Bridges,	400 00
Schools,	9,000 00
Poor,	3,400 00
Fire Department,	1,400 00
Repairs on School Buildings,	400 00
Interest,	1,600 00
Miscellaneous,	3,000 00
Sidewalks,	400 00
Cemeteries,	400 00
Town Debt,	4,950 00
Street Lights,	1,500 00
Memorial Day,	100 00
Town Clocks,	60 00
Repairs on Town Farm,	100 00
Books and Supplies,	600 00

Respectfully submitted,

GEO. F. CHASE,	} <i>Selectmen</i>
JAS. H. FERGUSON,	
IRVING B. SAYLES,	

of
Millbury.

LIST OF JURORS.

Aiken, Henry A.	Hitchcock, Chas. H.
Brackett, Calvin R.	Lincoln, A. W.
Batcheller, Arthur H.	Loomis, Rodney D.
Barker Calvin W.	Lincòln, Benj. B.
Bennett, Timothy A. M.	Mack, Daniel
Bray, Benj. H.	Maxham, Chipman H.
Bancroft, Henry H.	March, David T.
Browning, Chas. L.	Mulhane, Dennis
Carter, Rufus	Murphy, John E.
Clifford, John	McIntire, Benj. F.
Clark, James	Newton, Charles T.
Crane, Rufus R.	Piper, J. Carnes
Coffin, Alden J.	Powers, David A.
Cunningham, R. Clark	Percival, Chas.
Cunningham, Clemence W.	Rogers, Israel M.
Carter, Henry W.	Rice, Samuel
Dunton, Silas	Rice, Benj. T.
Dyson, James	Spooner, S. Cornelius
Dempsey, Daniel J.	Searles, Chas. H.
Dursthoff, William	Searles, Chas. E.
Dolan, Thomas	Shahan, Maurice P.
Dyke, James A.	Sheehan, William
Daniels, James	Snow, Warren F.
Feehan, Nicholas A.	Stockwell, William H.
Feehan, Benj. J.	Stowe, George I.
Farron, M. J.	Tebo, Charles
Glazier, Ira	Martin, Antoine
Greenwood, Nathan H.	Waters, John C.
Gould, Chas. A.	Whitney, Charles A.
Haywood, John C.	Whitworth, Charles

For the Year Ending March 1, 1889.

6 Cows, 1 Horse, 42 Fowls, 4 Shot.

HAY AND GRAIN.

7 1-16 tons English hay,	3 tons meadow hay,
32 bushels shelled corn,	3 bushels oats and rye.

PRODUCE AND PROVISIONS.

250 lbs. Pork,	50 lbs. Beef,
80 " Ham,	30 " Lard,
640 gal. Cider Vinegar,	$\frac{1}{4}$ bbl. Flour,
189 bush. Potatoes,	12 bush. Planting Potatoes,
20 bbls. of Apples,	4 " Turnips,
$3\frac{1}{2}$ gal Molasses,	1 lb. Tea, 1 lb. Coffee,
$13\frac{1}{4}$ lbs. Sausage,	2 bush, Beans.

WOOD AND LUMBER.

Logs and Lumber,	1 M. Shingles,
228 ft. Chestnut Plank,	15 Cords Stove Wood.

SUPPORT OF OUT-DOOR POOR.

POOR SUPPORTED IN HOSPITALS.

Worcester Insane Hospital, Olive M. Hancock,	\$169 92
Worcester Lunatic Hospital, Ruth A. Dunkerly,	169 92
Worcester Lunatic Hospital, Wm. Gilmore,	169 92
Worcester Lunatic Hospital, Dennis Therique,	169 92
Worcester Lunatic Hospital, Mary Malhroit,	33 89
Worcester Lunatic Hospital, William A. Goodell, bills, reimbursed to the Town by his guardian,	169 92
Westboro' Lunatic Hospital, Margaret Ryan,	75 68
Hopkinton, R. M. Fahay, for board of Margaret Ryan,	30 00
Carney Hospital, South Boston, John Welsh,	75 00
Worcester City Hospital, Margaret Dudy,	42 85
	<hr/> \$1,107 02

AID FURNISHED FAMILIES AWAY FROM ALMSHOUSE.

Towns.		No. in Family.	
Ayer.	Henrietta S. Roe,	2	\$42 75
Webster.	Matt. Toomey,	4	4 75
Warren.	Frances Moran,	5	7 00
	Julia Cushing,	3	173 78
	Libbey Obree,	4	140 20
	Alice Conner,	5	80 00
Boston.	Rebecca Vincent,	1	8 00
	William Buckley,	4	144 63
	William Dunkerly,	1	102 00

Towns.		No. in Family.	
Northbridge.	Julia Murphy,	2	72 90
	Old Bills,		35 36
	Stephen Alger,	1	51 50
Boston.	Ella F. Eager,	2	68 08
Springfield.	Henry F. Ryan,	3	5 08
Spencer.	Fred Sherby,	4	2 00
Fitchburg.	Edward F. Bugbee,	3	10 00
Lowell.	Ella Bonzy, City Hos'l,	1	18 14
Boston.	Lizzie Bonzy Gardner,		
	City Hospital,	1	7 00
	John Conners,	2	12 00
	A. Benway,	1	15 00
	Peter Adams,	3	12 00
Worcester.	Daniel Gilmore,	2	6 26
	Mrs. George White,	7	7 26
	Charlotte Mirfin,	4	19 05
	Edward White,	3	10 00
			<hr/> \$1,060 74
			<hr/> \$2,167 76

POOR OF OTHER TOWNS AIDED HERE.

Sturbridge.	Sylvanus Stone,	1	29 60
Northbridge.	Amos G. Plimpton,	2	27 78
Hopkinton.	I. A. Pierce, old Bill,	6	65 79
Sutton.	Moses C. Dodge,	2	8 00
	Mrs. Tucker and other		
	bills reimbursed in		
	part.	4	23 41
			<hr/> \$154 58

STATE POOR.

	No. in Family.		
Joseph Simmons,	4	\$10 00	
Josephine Benway,	2	25 00	
Elemine Breauett,	4	8 00	
Elemine Breauett, sick bill.		9 45	
Agnes Losseign,	6	65 40	
		<hr/>	117 85

TOWN FARM ACCOUNTS.

Dunton & Winter, Store Account,	\$ 4 84	
Paid with Produce,		2 70
William E. Horne, Store Account,	100 16	
Paid with Produce,		90 98
Sweetser & Co., Store Account,	187 37	
Paid with Produce,		217 92
Lyman S. Waters, Provisions,	87 35	
Paid with Produce,		87 35
Sundries Bought by Warden at Farm,	78 65	
Paid with Produce,		68 12
P. C. Paradis, Store Account,	25 58	
Paid with Produce,		21 00
	<hr/>	<hr/>
	483 95	488 07
Balance,	4 12	
	<hr/>	
	488 07	
Town Farm Bills paid by Overseers of the Poor,	198 29	
	<hr/>	
	\$686 36	

EXPENDITURES AND RECEIPTS.

Bills sent to the State Board of Lunacy and Charity.

Exildar Simmons, Burial,	10 00	
Josephine Benway and child,	15 00	
“ “ Aid,	10 00	
Elemine Breauett, “	8 00	
“ “ Sick Bill,	9 45	
Agnes Losseign, Burial,	10 00	
“ “ and family Aid,	55 40	
	<hr/>	\$117 85

Bills allowed by the State Board of Lunacy and Charity.

Exildor Simmons,	10 00	
Josephine Benway and Child	15 00	
“ “ Aid,	10 00	
Elemine Breauett,	8 00	
“ “	9 45	
Agnes Losseign,	10 00	
“ “	55 40	
	<hr/>	\$117 85

Bills due the Town from the State Board of Lunacy and Charity.

For aid of William Miller, 1887,	94 87
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EXPENDITURES.

Support of out-door poor,	2167 76
“ State poor,	117 85
Support of poor belonging to other Towns,	154 88
Services and expenses of Overseer of the Poor	314 92
Town Farm expenses paid by Overseer of the poor,	198 29

Cash Balance on hand paid to the Town		
Treasurer,	74 94	
Salary of Warden at Town Farm,	400 00	
	<hr/>	\$3428 64

RECEIPTS.

Received from Town Treasurer,	\$3340 51	
“ “ other Sources,	208 59	
	<hr/>	
	3549 10	
Reimbursments paid to Town Treasurer,	120 46	
	<hr/>	\$3428 64

FINANCIAL

Amount of personal droperty as per in-		
ventory of March 1, 1889.	1903 25	
Value of Real Estate,	5000 00	
	<hr/>	\$6903 25
Inventory of March 1, 1888,	2091 01	
“ “ 1889,	1903 25	
	<hr/>	
Difference.	\$187 76	

PAUPERS SUPPORTED AT ALMSHOUSE THE PAST
YEAR.

Edwin Livermore,	James Sweeney,
John Crossman,	Thomas Smith,
Patrick Collins,	Thomas Scanlon,
Mrs. Lowzen and Son.	

Average weekly cost for support of Paupers at Almshouse, the past year has been \$2.11 per week.

Present number supported at Almshouse.

Edwin Livermore,
Patrick Collins,

John Crossman,
Thomas Scanlon.

Burials by the town during the past year.

Exilder Simmons,	Age, 38
Josephine Benway and Child,	" 35
Sylvanus Stone,	" 75
Amos G. Plympton,	" 40
Agnes Losseign,	" 50

REMARKS.

The Overseers of the Poor have to report the condition of affairs on Town Farm, same as last year, favorable for the interests of the Town. We have built a good ice house 12x14, with 10 foot posts. The lumber was cut on the farm last Winter. The cost to the Town has been about \$50.00, not including lumber. Thos. Scanlon did the carpenter work. We have also put in a new bridge across the brook leading from the pasture to the house. We need an addition to the wood shed. The wood has to lie out doors in all kinds of weather, and it is not so profitable for the Town, nor so pleasant for the matron to burn, as if it was dry and housed. The Selectmen have made a plan for an addition to the present shed of 16x20, with 12 foot posts, for which we have had lumber cut the present Winter. There will have to be enclosing boards, shingles and nails, besides labor, bought for the building.

We have not received but about half of the appropriation allowed us last year for repairs. We had to overrun the appro-

priation allowed us for the poor, \$228.64. We ask an appropriation for the Poor, for the ensuing year, the sum of \$3,400.00, and for repairs, the sum of \$150.00.

We have aided 25 families, consisting of 90 persons ; we have also aided 16 other persons. We have engaged the services of James G. Bates and wife, as warden and matron, for one year, from March 1, 1889.

Respectfully submitted,

JOHN BROADBENT,
JOHN B. SALISBURY,
FREEMAN VAN ORNUM.

Overseers of the Poor.

ENGINEER'S REPORT.

1888.

Town Appropriation,		\$1,400 00
Paid Firemen,	\$1,104 65	
For Repairs,	142 36	
Supplies,	97 02	
Horses,	62 50	
Fuel,	60 50	
Rubber Coats,	40 00	
Hose,	250 00	
Hook and Ladder Truck,	231 50	
		————— \$1,988 53

The Department was called out eight times during the past year.

April 4—Was a fire in a tenement house owned by J. H. Mason & Son. Value of property, \$3,500 ; damage, \$1,455 ; insurance on property, \$1,600.

April 9—Fire in grass near Cordis Mills ; no damage.

May 8—The dwelling of the heirs of S. A. Small was entirely consumed, with its contents. Value of property \$5,840 ; insurance, \$5,500.

May 24—The picker house of Peter Simpson's was partially burned. Value of property, \$800 ; damage, \$300 ; no insurance.

July 13—Was dwelling house of Capt. Peter Simpson's. Valued at \$2,000 ; damage, \$800 ; insurance, \$800.

Sept. 12—The dwelling of W. E. Horne was damaged to the extent of \$15.

Oct. 31—The block of Mrs. M. F. Bowen was partially destroyed. Value of property, \$3,500 ; damage, \$966 ; insurance, \$2,500.

Jan. 22, 1889—A. M. Stone's Laundry. Value of property, \$3,500 ; damage, \$5 ; insurance, \$2,500.

The Engineers have added to the Department, since their last report, a Hook and Ladder Truck, of which the town was very much in need, as previous to this time the town did not own a single foot of ladders and the firemen were badly handicapped at nearly every fire.

We have also added 500 feet of new hose, as our old hose was getting tender and could not be depended upon when used in long lines. Some had already given out, and in many places did not leave enough to reach the fire until the arrival of the second machine.

Our Department is now in better condition than ever before.

We would call the attention of the Town to Chapter 310 of the Laws and Resolves, passed by the General Court of Mass., in the year 1888.

SECTION 1. Every city and town having a fire department established and organized according to law shall provide and keep, as a part of the equipment of such department, one or more of each of the following pieces of apparatus, and when any such city or town is divided into fire districts and only the fire department within any such district responds to a first alarm of fire therein, one or more of each of such pieces of apparatus shall be provided and kept in each such district. First, a gun or other suitable device capable of shooting or throwing an arrow or other missile, with a cord attached thereto, over the top of or into any window of any building within such city or town, togeth-

er with all needful appliances for properly working the same ; Second, a "chute," so called, made of canvas or other suitable material, rendered inflammable, of sufficient length to reach at a proper angle of inclination, from the ground to any window in any such building, said chute being provided with proper means of fastening the upper ends thereof, and having a flexible ladder attached thereto ; and third, a "life net," or "jumping net," so called, suitable for breaking the fall of a person jumping from the top story of any such building. In every city and town subject to the provisions of this section, one or more of each of the above named pieces of apparatus shall be taken to every fire occurring therein in a building over two stories in height.

SECT. 3. Any city or town violating the provisions of this Act shall be subject to a fine of not less than fifty nor more than five hundred dollars.

SECT. 4. This Act shall take effect on the first day of November, in the year one thousand eight hundred and eighty-eight.

JOHN GEGENHEIMER,	}	<i>Engineers.</i>
N. H. SEARS,		
T. A. BARROW,		
C. H. HAKES,		
THOMAS WINDLE.		

REPORT

— OF THE —

TRUSTEES OF CEMETERIES.

Dr.

For orders received from Selectmen,	\$399 07	
Cash in hands of Trustees March 1, 1887,	7 70	
“ received for Stone,	16 52	
“ “ “ care of Lots,	153 82	
“ “ “ “ “ 1887,	24 00	
	<hr/>	\$600 11

Cr.

By Cash paid for labor at Central Cemetery,	\$495 33	
“ “ “ W. M. “	13 62	
“ “ “ Dwinnell Cemetery,	7 50	
“ “ fertilizers, tools, etc.,	72 15	
“ in hands of Trustees,	11 51	
	<hr/>	\$600 11
Due care of Lots 1887,		\$34 50
“ “ 1888,		70 00

N. H. SEARS, D. ATWOOD, JOHN BROADBENT,	}	<i>Trustees.</i>
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TOWN CLERK'S REPORT.

BIRTHS.

Births recorded in 1888,		118
Males, 57. Females, 61.		
Number of children of native parentage,	36	
foreign parentage,	55	
native and foreign parentage,	27	
	—	118

MARRIAGES.

Number of "Intentions" recorded,		62
Parties resident in Millbury,	107	
Parties resident elsewhere,	17	
	—	124
Number of Marriages recorded,		61
First Marriage,	104	
Second Marriage,	17	
Third Marriage,	1	
	—	122
Average age of grooms,		26
Average age of brides,		24
Native born,		78
Foreign born,		44

DEATHS.

Number of deaths recorded,	75
Males, 39. Females, 36.	
Average age 39 years 10 months.	

DOGS LICENSED.

Males, 248 at \$2.00 each,	\$496 00
Female, 23 5.00 “	115 00
	<hr/>
	611 00
 Deduct registering fees,	 54 20
Balance paid County Treasurer,	\$556 80

INSURANCE ON TOWN PROPERTY.

PROPERTY INSURED.	AMOUNT of POLICY.	INSURANCE CO.	POLICY EXPIRES.
Town House,	\$5000	North British	November 1, 1893.
" "	5000	Hartford	November 1, 1893.
" "	2500	First National	October 18, 1892.
" "	2500	Merchants and Farmers'	October 18, 1890.
" "	5000	Commercial Union	July 16, 1889.
" "	5000	Home of New York	July 16, 1889.
High School House and Contents,	2500	Merchants and Farmers'	November 15, 1890.
" "	2100	Worcester Mutual	May 1, 1889.
" "	1000	Home of New York	March 1, 1894.
Union School House and Contents,	2000	Worcester Mutual	March 1, 1892.
" "	1500	Merchants and Farmers'	November 15, 1890.
" "	2833	Merchants and Farmers'	November 15, 1890.
Providence St. School House,	2833	Worcester Mutual	November 1, 1890.
" "	2833	Home	November 27, 1889.
" "	1-50	Merchants and Farmers'	November 15, 1890.
Bramanville School House and Contents,	1250	Worcester Mutual	November 1, 1890.
" "	2500	Home	October 1, 1889.
West Millbury School House and Contents	1600	Worcester Mutual	November 1, 1890.
" "	1600	First National	December 1, 1889.
Park Hill School House and Contents,	1250	Worcester Mutual	November 1, 1890.
Hayward Dist. School House and Contents	900	Worcester Mutual	November 1, 1890.
Old Common "	800	Worcester Mutual	February 1, 1892.
Town Farm Buildings and Contents,	2600	Worcester Mutual	June 1, 1889.
" "	800	Lancashire	June 10, 1889.

Respectfully Submitted,

I. N. GODDARD, Town Clerk.

COLLECTOR'S REPORT.

Interest collected,	\$141 27
Uncollected Taxes,	2,250 79
Abated Taxes,	150 38

ABATED TAXES.

Richard Aubuchant, error,	\$2 00
Peter Army, unknown,	2 00
Thomas Barr, gone,	2 00
J. J. Burke, error,	2 00
George Burnap, error,	2 00
Louis Bolivar, “	2 00
Robert Bushby, “	2 00
Henry Beland, gone,	2 00
James Boyle, error,	2 00
Alexander Benoit, dead,	2 00
John Barron, error,	2 00
Miles Clark, gone,	2 00
William Clegg, “	2 00
William Carberry, error,	2 00
Thomas Conner, “	2 00
J. W. Cannon, “	2 00
William Clegg, “	2 00
Cordis Mills,	1 85

John Dolan, error,	2 00
Levi Dumore, poor,	2 00
George Dano, gone,	2 00
Thomas Dowd, dead,	2 00
Joseph Delameter, gone,	2 00
Delphos Donais, poor,	2 00
P. J. Francois,	3 16
Andrew Fisey, gone,	2 00
Maurice Goodnow, error,	2.00
A. P. Garfield,	70
Charles Gazzar, error,	2 00
Forest Howe, “	2 00
J. C. Heywood, “	2 00
Dennis Hope, “	2 00
Dennis Kelliher, “	2 00
John King, “	2 00
Charles Lucas, unknown,	2 00
Edward Ladue, “	2 00
C. Mack, error,	2 00
Joseph McKendrick, unknown,	2 00
Dennis McCarthy,	9 38
Victor Morris, gone,	2 00
George Marcot, “	2 00
David Morning, “	2 00
Thomas Mullens, error,	2 00
Abraham Miner, “	2 00
J. C. Nelson, poor,	2 00
Herbert Nutting,	89
John O'Connell, dead,	2 00
Joel Page, error,	2 00
Albert Putnam, gone,	2 00
Joseph Parsons, “	2 00
F. E. Powers, error,	2 00
Richard Pickering,	12 40
B. F. Quinn, error,	2 00

Dennis Reno, gone,	2 00
John Russell, “	2 00
Jerry Regighly, “	2 00
C. R. Ryan, poor,	2 00
William Shaw, dead,	2 00
Frank Swift, gone,	2 00
Arthur Smith, error,	2 00
John Smith, gone,	2 00
George Stien, error,	2 00
D. T. Shattuck, gone,	2 00
Lewis St. George, error,	2 00
W. T. Tucker, gone,	2 00
Peter Vancelet, 2d, poor,	2 00
Henry Waerkert, tramp,	2 00

UNCOLLECTED TAXES. (Poll.)

William Ahearn,	Fred Johnson, 2d ,
Chester Ambler,	John Jones,
Christopher Ambler,	Napoleon Jones,
Frank Alex,	John Kelly,
Joseph Blanchard,	John Kelley, 2d,
John Baylis,	Thomas Kiley,
F. L. Bailey,	James Keating,
George Beso,	James Keating, Jr.,
Frank Beso,	Albert Lambert,
Horace Burdock,	Rudolph Laterat,
James Brannigan,	John Little,
Edwin Baldwin,	Joseph Lagnet,
Joseph Benoit,	George W. Marble,
Frank Benoit,	Frank Marcelle,
Gilbert Beaudry,	William McCloskey,
George Cadarer,	Samuel Morrill,
Patrick Coughlin,	John Noe,
Jerry Connell,	Peter Noe, 2d,

W. H. Conner,
 John Chirbie,
 Philip Cadaret,
 Thomas Crawford,
 Peter Dean,
 John Delaney,
 Albert Desmarais,
 D. M. Duggan,
 Patrick Donnelly,
 Frank Frebott,
 Edward Foley,
 James Fallon,
 William Frazier,
 Alfred Fortier,
 Dallan Fisher,
 E. McGifford, Jr.,
 Delos Gover,
 Joseph Grenier,
 A. S. Gerry, \$1,
 George Grover,
 Frank Grenier,
 John Grenier,
 G. G. Hall,
 Theo. Herveux,
 Thomas Ivory,

Con. O'Leary,
 William Pender,
 Adolph Peterson,
 Andrew Pereault,
 Lewis T. Pierce,
 Joseph Putnam,
 Israel Roberts,
 John Rodwell,
 Frank Sweeney,
 Lewis Stockwell,
 Victor Smith,
 George Slocum,
 C. A. Smith,
 Leander Sweet,
 Peter Sweet,
 Henry Sharon,
 Oscar Travers,
 Noel Tugas,
 Andrew Taplin,
 John Tobin,
 T. N. Trombly,
 James White,
 Charles Washburn,
 D. R. Wiseman,
 John Wall,

Frank A. Aldrich,	\$13 68
Mrs. F. A. Aldrich,	2 21
Chas. Anderson,	3 68
Olaf Asberg,	5 19
Monroe Blanchard,	14 92
Henry Blanchard,	2 27
William Brahany,	31 65
Mrs. J. A. Barton,	36 20

Elijah Bond,	39 35
John Connor,	10 51
James Coogan,	26 60
Michael Coogan,	21 83
Mrs. Valinda Cutler,	5 14
J. D. Fairfield,	113 27
Charles Gerame,	2 35
N. H. Greenwood,	1 43
A. J. Harris,	57 77
J. R. Hayward,	2 71
N. H. Hambury,	4 23
William Howe,	47 40
Frank Jordan,	2 45
G. G. Kilburn,	52 62
Alonzo Keys,	2 71
Hiram Kinney,	8 55
Mrs. James Lyons' estate,	31 25
Thomas Leese,	12 44
E. H. Lacouture,	32 26
S. W. Lincoln,	30 09
Samuel Malhoit,	16 25
W. L. Marcy,	2 89
F. W. K. McCracken,	5 45
Patrick McCloskey,	62 00
James Molowny,	3 06
H. B. Magoon,	1 34
Minnie S. Martin,	10 62
B. O. Paine,	32 80
J. W. Pierce,	73 07
A. W. Pierce,	57 84
Esek Pitts estate,	5 31
W. M. Ryan,	6 78
Mrs. W. M. Ryan,	24 17
C. Henry Smith,	36 43
W. C. Southwick,	36 73

Samuel Sawyer,	34 84
Dennis Sharon,	18 30
Dennis Shurn, Jr., estate,	85 74
Niles Swenson,	11 38
Mrs. Michael Tobin estate,	10 18
David Watts,	25 36
Richard Wolfe,	2 89
William Wolfe,	7 31
George Allen,	3 36
E. C. A. Becker,	4 60
Sumner Emmons,	3 18
James Goodell estate,	1 77
W. H. Harrington,	606 40
John Hudson,	53
William Howard estate,	29 83
Peter Jefferson estate,	13 98
S. A. Knowles,	1 34
M. C. P. Landers,	2 39
H. N. Mason,	49 02
David Powers,	23 90
Edward Scannell,	27 26
Joseph Stott,	4 25
W. F. Slocum,	1 06
D. M. Waterman,	32 68
Mrs. D. M. Waterman,	94 25
John Young,	2 83
Robert Young,	2 83

H. W. AIKEN, *Collector.*

COLLECTOR'S REPORT, 1885.

Uncollected taxes,	\$10 85
Abated taxes,	25 20

COLLECTOR'S REPORT, 1886.

Uncollected taxes,	\$20 41
Abated taxes,	44 53

COLLECTOR'S REPORT, 1887.

Uncollected taxes,	\$299 98
Abated taxes,	118 45

H. W. AIKEN,
Collector.

REPORT OF WATER COMMITTEE.

SUPPLEMENTARY TO THAT OF MARCH, 1888.

To the Citizens of the Town of Millbury :

At the annual Town Meeting in March, 1888, when the report of the Committee on Water Supply was considered, it was voted :

“That the Report of the Committee on Water Supply be referred back to the same Committee, with instruction to report on the same subject at the next town meeting.”

In the discussion before the adoption of this vote it appeared that further information was desired upon the following points :

1st. The adequacy of the supply of water at the locality suggested as the source in the so-called “Local Pumping Plan.”

2d. The feasibility and advisability of a supply through a connection with the Worcester Water Works.

3d. Some definite recommendation in the matter.

4th. The necessity for the construction of a system of sewers.

Your Committee, therefore, again presents its former report, together with the following supplementary report :

At the time of the annual town meeting in March, 1888, the necessary legislation authorizing the town to take water, lands, etc., and to construct works had not been made.

Such legislation was however obtained later, and a bill giving all needful authority was passed and obtained executive approval May 25, 1888, to take effect upon the acceptance of the act "by a two-thirds vote of the voters of said town present, and voting thereon at a legal town meeting called for the purpose, within three years of its passage," which bill further provided that three meetings might be called in the course of each year.

To conform to other legal requirements in the case, the Selectmen notified the State Board of Health of the proposed plan to supply the town with water, and sought its approval. The Engineer of the Board accordingly visited the town and inspected the locality, after which, in due time, the Board formally approved the plan in the following communication :

OFFICE OF STATE BOARD OF HEALTH, }
13 BEACON ST. }
BOSTON, July, 1888. }

To Geo. F. Chase, Chairman of Selectmen, Millbury, Mass.

Dear Sir :

After careful examination of the different sources of water supply for the town of Millbury, excepting that of the Worcester Water Works, which has been mentioned, but is understood to be unavailable, the State Board of Health finds that the site selected for a ground water supply has advantages which make it the most appropriate source for the town.

Analysis of water from the flowing well showed it to be very soft and of excellent quality.

The quantity that can be obtained from the immediate locality of the present well cannot be determined until proved by months of pumping, and other wells may be needed to intercept all the water that may be required ; but the surroundings indicate that a sufficient quantity for a long time in the future may be brought to a pumping station in the vicinity of the present well.

The Board advises that water taken from the ground should, when stored, be in a reservoir from which light is excluded.

By Order of the Board,

SAMUEL W. ABBOTT,

Secretary.

To determine the question of the adequacy of the supply of water from a well such as was suggested in our report of March, 1888, to be located near the B. & A branch R. R. and the old Worcester Road, your committee during last autumn sunk four additional wells by driving as many pipes at distances varying from 40 to 70 feet from the original well and connected these five together by iron pipes, and then connected this system of wells with a steam pump. These wells were sunk from 29 to 33 feet deep. Before connecting them they each delivered water at a level of about $1\frac{1}{2}$ feet above the surrounding water level, and it is of interest to here remark that the pipes left unstopped have continued to flow constantly. One, recently measured, is now flowing at the rate of 12,000 gallons per hour, or 28,800 gallons per day.

To determine whether any of the water pumped were drawn from the pool in which the pipes stood, weirs were placed in the inflowing streams supplying the pool and in the outflowing stream, also in the trough through which the pumped water was to flow and in a small stream tributary to the outflowing stream, so that the amount of water from the several sources could be determined, thus guarding against false conclusions.

The wells were then subjected to two tests, first one of six hours of consecutive pumping, and later one of 72 hours consecutive pumping. In the former test 68,500 gallons of water were pumped from the five wells, and in the latter test 824,000 gallons.

The readings of the weirs during the tests proved conclusively that the water pumped was wholly from subterranean sources and not at all from the surrounding surface water. A considerably larger amount of water could have been raised by running the pump at greater speed, but for the liability of choking the pump

by gravel and stones drawn up by the very powerful suction, thus interfering with the test.

After stopping the pump the wells rapidly regained their former level, so that in 6 hours after the 72 hour test the water was within seven inches of its original level.

The amount of water raised in the 72 hour test if distributed in three installments of ten hours each for 3 days, would furnish in each day 274,667 gallons, while the probable daily consumption of water in our town, if works were to be constructed, would be only 150,000 gallons even in midsummer.

The draughting area of these five wells is about one-sixth of one square foot, while that of the proposed well is 5800 times that of these test wells.

The details of the pumping test are given in the accompanying report of the Engineer to the Committee.

The facts elicited by these tests prove to the satisfaction of your committee that an abundant supply of water of most excellent quality can be obtained from that locality, adequate for all the wants of the town even should it increase to a population of 10,000.

As to the feasibility and advisability of obtaining a supply through a connection with the water works of Worcester, we can only report that such a plan is feasible as a matter of engineering. As to the willingness of the City of Worcester to permit such connection we are able to get no definite or satisfactory answer.

We are, however, strongly of the opinion that when the town determines to introduce water it should have independent works of its own, and avoid any entanglements with other municipalities from which many inconveniences might arise, and which might unpleasantly and disadvantageously complicate other relations with those municipalities.

Your committee is prepared to recommend the plan denominated in our former report, "The Local Pumping Plan," as the most feasible and best for the town to adopt when it constructs water works.

Your committee deems one other fact important for the town to know in order to act intelligently in the matter, viz: that the prices for pipe and labor of construction, excavating, &c., &c., is now much lower than when the estimates, presented a year ago, were made, so that undoubtedly a very large reduction could be made from those figures if contracts could be made during the present season.

The further subject of the necessity of constructing a system of sewers upon introducing a public water supply has been considered. That our conclusions might be based upon actual experiences rather than upon theory, we sent letters of inquiry to several towns of about our size, and some larger, which have a public water supply, to learn their experience and opinions in this matter. These letters were addressed to the Superintendents of the water works, and the questions asked covered the following points:

1. The population of the town or district supplied with water.
2. Whether the population were crowded or scattered.
3. Whether the town were level or hilly, soil clayey and damp, or gravelly and porous.
4. Date of introduction of water.
5. Proportion of population supplied with water.
6. What sewers were in use when water was introduced.
7. What addition to sewers has been made since.
8. If gradual construction of sewers at moderate annual expense has filled all the necessary sanitary requirements of the people.
9. If in a town of about 4000 people, spread out thinly over a large area, with territory undulating and hilly, soil gravelly and surface drainage good, the introduction of public water would make necessary the immediate construction of sewers.

Answers to these questions were obtained from the following towns, the population of which is here given: Athol, 5,000, Clinton, 10,000, Danvers 9,000, Gardner 9,000, Leominster, 7,000,

Marlboro, 12,000, Middleboro 6,000, Milford with Hopedale 12,000, North Adams 9,000, Palmer Village 2,000, South Framingham water district, 5,000, Spencer 8,000, Ware 7,800.

Their replies can be summarized as follows: The population was reported as not crowded in all except in some parts of Clinton, Danvers, Marlboro, Middleboro, Milford and Palmer. All are hilly towns except Danvers, Middleboro and South Framingham.

Water has been introduced into these towns as follows: In Athol in 1877, Clinton 1882, Danvers 1876, Gardner 1882, Leominster 1873, Marlboro 1883, Middleboro, 1885, Milford (and Hopedale) 1881, North Adams 1866, Palmer 1885, South Framingham 1885, Spencer 1883, Ware 1886.

The towns generally report from $\frac{3}{4}$ to $\frac{7}{8}$ (some as much as 9-10) of the population within the district furnished with water, as using water; only three report supplying less, Athol 1-5, Gardner $\frac{1}{3}$, South Framingham $\frac{1}{2}$ to 3-5. None of these towns had a system of sewers before water was introduced. Middleboro had a few hundred feet, Milford had the two principal streets sewered. Since the introduction of water no sewers or system of sewerage have been constructed in any of these towns, except as follows: Clinton reports, "Now beginning with an appropriation of \$10,000, made necessary by growth of population." Leominster reports, "Have $1\frac{1}{4}$ miles of sewers, put in mostly for surface drainage." Middleboro, "Had a few hundred feet of sewers and had adopted a comprehensive plan before introduction of water." Milford has added "only 600 feet since water was introduced, and that partly for cellar drainage." North Adams, "Now one-half sewered; began putting in sewers ten years ago." South Framingham, now constructing a complete system of sewers. Spencer, a general system of sewers began in 1883. Ware, a very limited system of sewers before water was introduced, none added since, a new system now under consideration. The necessity for sewers in South Framingham was largely to protect Boston from liability to contamination of its Sudbury River water supply.

All the towns report that the gradual construction of sewers at moderate annual expense fills all the sanitary necessities of the people, except Spencer reports that the introduction of water would make construction of sewers necessary, and South Framingham thinks them desirable. To the last question all say "*No*," except Spencer and South Framingham.

The following extracts from some of these letters, perhaps presents the testimony of these towns on this point in the most definite way :

From Athol, "Do not think the introduction of water works in a town of your size makes necessary the construction of sewers, though it would be better to have them."

From Clinton, to the last question, "Should say no."

From Danvers, "Do not think introduction of water in a town like Millbury would necessitate the construction of sewers."

"From Gardner, "I do not think a town like the one you describe in your letter need worry about its drainage, even if you should put in water works."

From Leominster, "I do not think it will be necessary for a town like Millbury to construct sewers for quite a number of years, judging by our town."

"From Marlboro, "By our experience we should say that the introduction of water works into your town would not call for any increase of drainage for a long time."

From North Adams, "It would be a long time before you would need extensive sewers."

From Palmer, "Construction of sewers no more necessary after the introduction of water than before, and on some accounts less so, since people no longer use water in danger of contamination."

From South Framingham, "Immediate construction of sewers might not be necessary, but would be more important."

From Spencer, "Introduction of water would make construction of sewers necessary."

From Ware, "Do not think the construction of water works would make immediate construction of sewers necessary."

The evidence obtained from the experience of these towns, together with the considerations presented in our report of March, 1888, leads your committee to adhere to the opinion these expressed, that even if the town decides to construct water works it need not at once, nor for a considerable time, construct a system of sewers, but that a plan for ultimate adoption should be drawn up and the future grading and alignment of streets be made with that plan in view.

The definite recommendations of the committee are: 1st. That if the town decides to construct water works, we recommend the adoption of the "Local Pumping Plan." 2d. That in event of the introduction of water no system of sewers be undertaken at once, but that some plan similar to that outlined in our report of March, 1888, be perfected, and all future grading and alignment of streets be made with reference to that plan to save expense, when the time arrives, for the construction of such a system.

JOHN GEGENHEIMER,
I. B. SAYLES,
L. L. WHITNEY,
G. C. WEBBER,

Committee on Water Supply and Drainage.

MILLBURY, March 8, 1889.

I concur in the above report of the doings of the committee, but dissent from the recommendations.

MOSES WHEELER,

One of the Committee.

ENGINEER'S REPORT.

ON THE PUMPING TEST.

To the Committee on Water Supply, Millbury, Mass.

GENTLEMEN :—

Under your direction, certain practical tests have been made of the subsurface water supply at a point near the B. & A. Branch railroad, recommended as a source of public water supply for your town. The method used, and the results obtained, are described herein for the information of the Committee and others who may be interested in the project of public water works.

First, it is proper to say that the source which has been subjected to this test has received the approval of the State Board of Health, as being fit and proper for the purposes of a public water supply, and has been rated by that Board as being preferable to any pond or surface water which at present it is considered practicable to introduce into Millbury.

The recommendation of the Board is accompanied by a reference to the quantity of water probably obtainable from this source.

Other reports of the State Board of Health contain references to several sources of public water supply similar to this proposed source, and the very plainly expressed advice given by the Board in recent reports, is to the effect that subsurface supplies, drawn from clean soils in uncontaminated neighborhoods, should be adopted in preference to all others, when the quantity of water

obtainable is sufficient to warrant the expense necessary to make them available.

In your case, if it can be shown that a supply of water equal to, we will say 25,000 gallons per hour, for ten hours in each day, can be made available by the means described in my report of January 28, 1888, I think no one will dispute the expediency and desirability of adopting such a source.

It was with the object of demonstrating in a practical way that a large supply could be obtained from the spring basin near the B. & A. railroad, that the following experiments were made.

Four $2\frac{1}{2}$ -inch wells were driven in this basin, in the neighborhood of the $2\frac{1}{2}$ -inch test well sunk last fall, and connected together and with the original well by air tight pipes. The arrangement and respective depths of these wells can be seen on the sketch which accompanies this report.

From each of these wells water flowed freely before the air tight connections were made.

A duplex steam pump with 5-inch water cylinders and 10-inch stroke and suitable boiler were obtained, and connected with these wells in such a way that the full suction power of the pump could be applied to any or all of them as might be desired.

Each well was provided with a gate or valve, so that it could be shut off from the action of the pump, and provision was made at the top of each well for taking soundings of the depth of water therein, when the valve connecting it with the main suction pipe was closed, or when the pump was not running.

These wells were known during the test as wells A, B, C, D, and E; A being the original well and the nearest the pump, E being the farthest from the pump.

The depth of the wells below the surface of the meadow varied from $29\frac{1}{2}$ feet to 33.6 feet. The centre of the water cylinder of the pump was 2.2 feet above the water surface in the meadow, and the centre of the delivery pipe of the pump was 1.8 feet above the centre of the cylinder.

The delivery pipe of the pump discharged the water into a wooden trough which conducted it to a weir provided for the

purpose of measuring the amount of water pumped from the wells.

This weir was known as weir No. 2 in the test.

Weir No. 1 was placed in the brook coming through the railroad culvert and flooding the meadow in which the wells were located.

Weir No. 3 was located on the small brook which came in under the Worcester road, and above the entrance of the water discharged by the pump.

Weir No. 4 was placed in the brook coming through under the railroad, at a point below the brook on which weir No. 3 was located.

By this arrangement of weirs it was possible to measure at No. 1, the amount of surface water coming down from above the railroad, and at weir No. 3, the water coming from above the Worcester road, and at weir No. 4, the combined flow of the water which had previously passed over weirs 1, 2, and 3.

Before beginning to pump from these wells, the height above the ground level to which water would rise in each was noted.

In well A,	the water stood	1.81
“ B,	“ “	1.85
“ C,	“ “	1.83
“ D,	“ “	1.79
“ E,	“ “	1.78

A run of six hours was then made with the pump drawing from all five wells in combination. At the end of each hour well D was shut off, and a sounding of the depth of water made, the operation requiring but a few moments, and not affecting the discharge of the pump perceptibly.

At the end of the third hour the water had been

lowered in well D, 1.77 feet,

At the end of the fourth hour, 1.94 “

At the end of the fifth hour, 2.00 “

At the end of the sixth hour, 2.03 “

As soon as the pumping was stopped the rising of the water in well D was noted.

In fifteen minutes it had recovered	1.77 feet.
In thirty " " "	1.16 "
In forty-five " " "	1.23 "
In one hour, " "	1.37 "
In one hour and fifteen minutes,	1.46 "
In one hour and thirty minutes,	1.53 "
In one hour and forty-five minutes,	1.59 "
In two hours,	1.63 "

or within .4 of a foot of its original level.

During this six hour run, 9,158 cubic feet, or 68,500 gallons of water were pumped from the five wells, as measured in weir No. 2, with a vacuum in the suction pipe near well D, of twelve inches.

During this test the rate of flow through

Weir No. 1,	was 27.90 cubic feet per minute,
" 2,	25.44 " "
" 3.	8.25 " "
<hr/>	
	61.59 " "

Through weir No. 4,
which measured all
the water,

63.12 " "

These weir measurements showed that the water yielded by the wells was subsurface water, and that no draft was being made on the surface water flooding the meadow and running in the brook, to replenish the subsoil.

A continuous run of seventy-two hours was next made with the pump, all of the wells being drawn from simultaneously. Soundings were made in each well before beginning this test, and at its conclusion with the following results:

At the end of seventy-two hours steady pumping,

Well A was lowered 2.63 feet.

B 2.75

C 3.20

D	3.09
---	------

E	3.16
---	------

Fifteen minutes after pumping was stopped, the water in well A had risen .85 feet,

In thirty minutes,	1.28
--------------------	------

In one hour,	1.40
--------------	------

In two hours,	1.66
---------------	------

In three hours,	1.80
-----------------	------

In six hours,	2.05
---------------	------

Or within .58 feet, or about seven inches of the original level.

The other wells gave similar results.

During the seventy-two hour run, 109,896 cubic feet, or 824,000 gallons of water were drawn from the wells, and at a moderate speed of the pump.

No doubt twenty-five per cent. more water could have been drawn by running the pumps faster, but the suction power was so great that gravel and sand would have been drawn up and interrupted the test.

The weir measurements during the seventy-two hour run, gave the following results :

Weir No. 1,	54.90	cubic feet per minute,
-------------	-------	------------------------

"	2,	25.44	"	"
---	----	-------	---	---

"	3,	13.95	"	"
---	----	-------	---	---

		94.29	"	"
--	--	-------	---	---

"	4,	116.16	"	"
---	----	--------	---	---

Ninety minutes after the pumping was stopped, a measurement of weir No. 4, showed a discharge of 91.92 cubic feet per minute, or 24.24 less than when the pump was running

These weir measurements proved conclusively, as did the others, that the local surface supply of water did not in any measurable way contribute to the yield of the wells.

The total amount of water pumped during 72 hours was 824,000 gallons or at the rate of 11,306 gallons per hour.

The draughting area of the five $2\frac{1}{2}$ inch wells was equal to 24 54 square inches or .17 square feet.

The filtration area of the well proposed in my report will be 930 square feet or about 5800 times that of the test wells.

If the 824,000 gallons pumped during the 72 hours continuous test had been drawn in three instalments of ten hours each in three consecutive days, there would have been pumped in each day 274,667 gallons at the rate of 27,466 gallons per hour, a rate in excess of the estimate in the report. The storage capacity of the well proposed in the report will be 132,000 gallons, and there can be no reasonable doubt that such a source in the locality subjected to the test described herein, will yield at least 25,000 gallons of water per hour in the driest season, while at other times I should expect it to overflow if not extended above the present surface of the meadow to a height of at least two feet.

Yours respectfully,

PERCY M. BLAKE,

Civil Engineer.

October 20, 1888.

TREASURER'S REPORT.

FOR THE YEAR ENDING MARCH 5, 1889.

Dr.

To cash on hand as per last Annual Report,	\$2,021 34
By School Committee returned to Treasury,	284 28
For Auctioneer's Licenses (2),	4 00
For Pool Table License,	3
Fire Department returned to Treasury,	2
For Circus License,	3
For old bridge plank,	25
From County Treasurer, Dog Tax, rebate,	440 98
For licenses to sell fire works (4),	12 00
For licenses to sell liquors (3 at \$1),	3 00
Less $\frac{1}{4}$ to State,	75
Balance to Town,	2 25
For Auctioneer's license to C. H. Smith,	2 00
By Overseers of Poor returned to Treasury,	91 00
For cemetery lots sold to Mrs. Paul,	30 00
“ “ Mrs. Hall,	30 00
“ “ John Gover,	30 00

“	“	Henry Ryan,	30 00	
“	“	Geo. Frissell,	100 00	
Borrowed of Millbury Savings Bank,			23,500 00	
To cash reimbursed for support of Wm.				
	Goodell,		\$84 50	
Reimbursed for support of W. M				
	March,		19 96	
Rents of Town Halls from Janitor,			471 01	
“	S. Farnsworth to Jan. 1st,		187 50	
“	1st Unitarian Society in full,		54 17	
“	St. John's Soc. to July 1st,		50 00	
State Treas. Corporation Tax, '87,			59	
“	burial State paupers,		10 00	
“	“ “ “		15 00	
“	support State paupers,		10 00	
“	Mass. School Fund,		179 71	
“	Revenue school Fund,		496 06	
By Trustees of Town Library re-				
	turned to Treasury,		79 55	
State Treas. Corporation Tax, '88,			663 43	
“	National Bank Tax,		208 45	
“	State Aid, Chap. 252,		36 00	
“	“ Chap. 301,		439 00	
“	Support State paupers,		17 45	
To Cash Taxes of 1886, H. W. Aiken, Col.,			110 00	
“	1887,	“	1,485 15	
“	1888,	“	37,040 36	
			—————	\$68,268 74

Cr.

By paid outstanding orders March 9, 1888,			\$1,795 07	
Orders of current year, paid,			65,911 65	
Cash on hand,			562 02	
			—————	\$68,268 74

THE FOLLOWING DESCRIBED NOTES ARE NOW OUTSTANDING AGAINST THE TOWN.

DATE.	TIME.	WHEN DUE.	TO WHOSE ORDER.	AMOUNT.	RATE.
April 1, 1870	On Demand		Millbury Savings Bank	\$10,000	4 per cent.
" "	"		"	10,000	"
May 11, 1883	6 years	May 11, 1889	"	1,100	4½ per cent.
" "	7 "	" "	"	1,100	"
" "	8 "	" "	"	1,100	"
" "	9 "	" "	"	1,100	"
" "	10 "	" "	"	1,100	"
Jan. 25, 1889	1 "	Jan. 25, 1890	"	350	4½ per cent.
" "	2 "	" "	"	350	"
" "	3 "	" "	"	350	"
" "	4 "	" "	"	350	"
" "	5 "	" "	"	350	"
" "	6 "	" "	"	350	"
" "	7 "	" "	"	350	"
" "	8 "	" "	"	350	"
" "	9 "	" "	"	350	"
" "	10 "	" "	"	350	"
June 6, 1888	On demand		"	3,500	4 per cent.
				<u>\$32,500</u>	

The ten notes of \$350 each constitute the loan for improvements in the High School building, authorized by vote of the Town at the last annual meeting.

The last mentioned note in the foregoing list was given for money borrowed in anticipation of taxes for the year of 1888.

It remains unpaid because enough money has not been collected to pay it, and meet current expenses,

Respectfully Submitted,

DAVID ATWOOD,

Treasurer.

REPORT

OF THE

TRUSTEES OF THE TOWN LIBRARY.

The Town having granted an extra appropriation at the last annual meeting, the Trustees have been able to make a substantial addition to the Town Library during the year.

The character of the additions and the number of volumes are as follows:—

Section	1.	Works of Fiction,	216
"	2.	Juvenile Works,	65
"	3.	Description and Travels,	38
"	4.	Poetical and Dramatic Works,	7
"	5.	Educational and Scientific,	20
"	6.	Literary and Æsthetic,	18
"	7.	Miscellaneous,	23
"	8.	Agricultural and Mechanical,	10
"	9.	Historical,	46
"	10.	Biographical,	53
"	11.	Magazines,	51
			<hr style="width: 10%; margin-left: auto; margin-right: 0;"/> 547
Government publications,			107
Total Additions,			654
Whole Number,			5794

Number of books taken out, 8809.

Number of persons taking books, 593.

Appropriation, \$200. Dog Fund, \$440 98.

FINANCIAL STATEMENT.

Cash in hands of Librarian March 1888,	\$74 66
Orders from Selectmen	678 05
Sale of catalogues, etc.	31 76

 \$784 47

PAID OUT

Salary of Librarian,	\$175 00
A. Mudge, printing catalogues,	79 55
Cataloguing, books	23 50
Miscellaneous expenses,	10 60
Estes & Lauriat, books,	400 00
Returned to Treasurer,	79 55
Cash on hand,	16 27

 \$784 47

We desire the refunded dog tax to meet the expenses of the coming year.

D. EDMUND MARCH,
JOHN HOPKINS,
IRVING B. SAYLES,

Trustees.

